

**NUS CORPORATION**  
**SUPERFUND DIVISION**

INTERNAL CORRESPONDENCE

5/24/84-1

TO: FILE

DATE: MAY 24, 1984

FROM: JOHN PANARO

*John M. Panaro*

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SUBJECT: TRIP REPORT: OLIN  
TDD No. FI-8305-04  
 Job No. 3408  
 0300.01

The Olin site in Hamden, Connecticut was sampled on May 15 and 16, 1984. The weather conditions were partly cloudy with occasional rain. The sampling team which consisted of John Panaro, Rob Palermo, Bob Ross and Larry Fitzgerald met with Olin Representatives Paul Duff, Ray Thomas, and Ted Groom at 7:00 a.m. on Tuesday, May 15, 1984. The NUS team proceeded to collect 13 groundwater samples and one surface water sample on May 15. Four groundwater samples, seven surface water samples and three soil samples were collected on May 16. Off-site samples consisted of five wells and four surface water locations. The attached map delineates the sample locations.

Some sampling points that were defined in the task work plan were not able to be sampled for various reasons. G-12 (the Davenport Photo well) was not able to be sampled because the cap to the well was located underground and it was covered with water, G-13 (ERT-well 8) could not be found, G-20 (New Haven Water Company test well) was not sampled because Bob Grabarek did not meet John Panaro at the well at 2:00 p.m. on May 15, 1984, G-9 (well H1A) was not sampled because it was too shallow, and S-2 (soil from the pit across the street from the H. A. Leed Company) was not taken because the pit was partially filled in. G-19 turned out to be the Whitney south well instead of the Whitney north well and two previously unknown wells were found near S-2. These wells were locked and we did not know who owned them so they were not sampled.

The guidelines for collecting soil samples (monograph no. 10), groundwater samples (monograph no. 8) and surface water samples (monograph no. 9) were followed. Purging of on-site monitoring wells required less time than expected because the centrifugal and air drive pumps operated very efficiently.

Two sets of each sample were taken because Olin split samples with us at the end of each day. Organics samples (extractables and volatiles) were preserved with ice immediately upon collection. The heavy metals samples (Task 1 and 2) were preserved with 1.5 ml of a 25% solution of  $\text{HNO}_3$  at the end of each day before leaving the site and before splitting samples.

As the samples were collected, Chain of Custody (C.O.C.) was maintained on C.O.C. record numbers 02200, 02201, and 02204. Chain of custody for Olin's samples was maintained on C.O.C. record number 02202 for samples collected on May 15, 1984, and on C.O.C. record number 02203 for samples collected on May 16, 1984. NUS's samples were transferred to C.O.C. record numbers 02207, 02198, and 02199 for shipment to Rocky Mountain Analytical (metals analyses) and to C.O.C. record numbers 02206, 02209, and 02210 for shipment to Mead Compuchem (organics analyses).

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All bottles for NUS's and Olin's samples were provided by NUS. All VOA vials were preserved with mercuric chloride before leaving the NUS/FIT office in Bedford, Massachusetts.

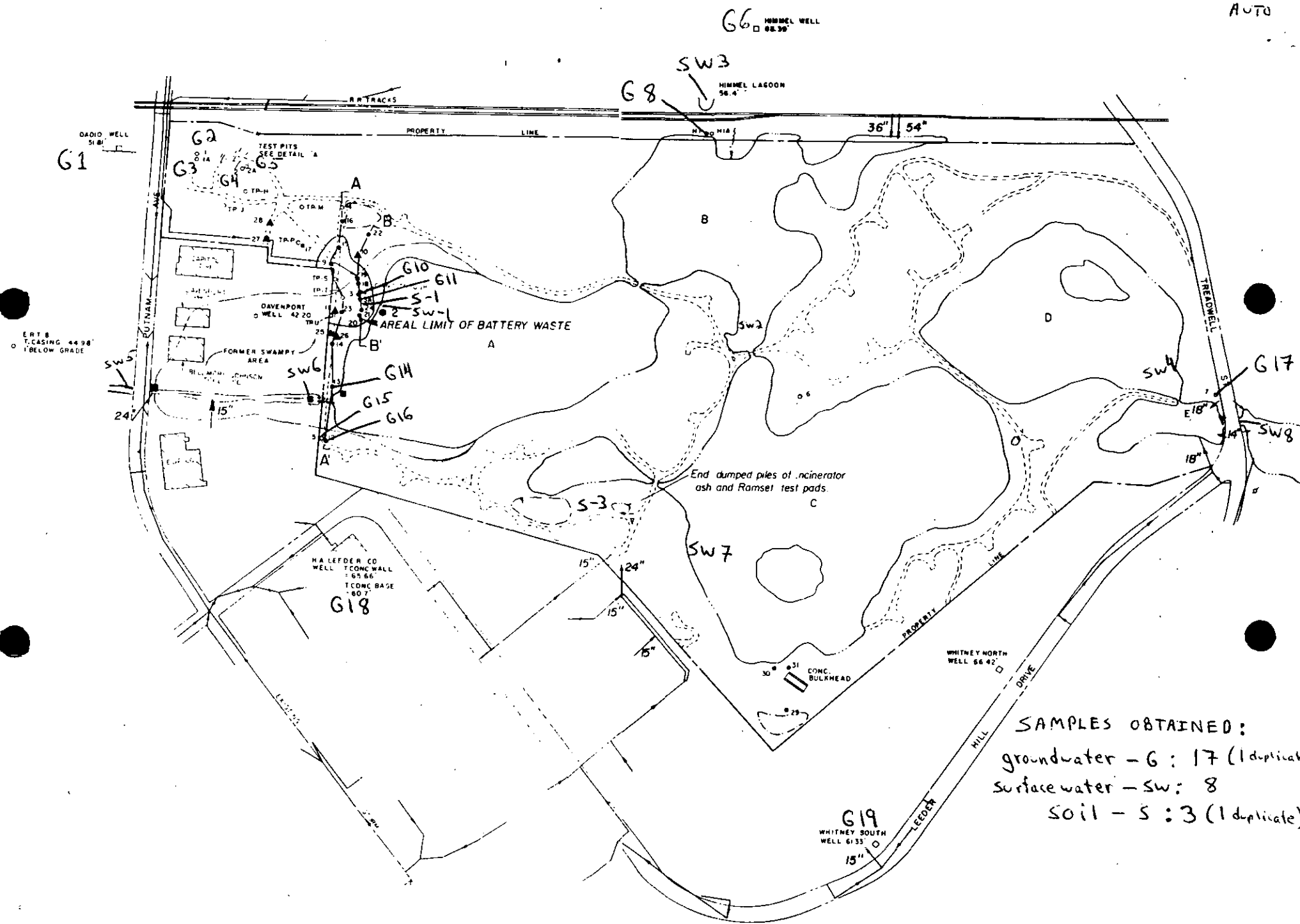
The HNu was used to monitor the air while taking soil samples and before purging wells. Readings above background were detected at G-14 (2 ppm) and G-15 (.5ppm). These levels were detected in the well casing and not in the breathing zone.

JMP/tao

cc: R. DiNitto  
T. DeMarco

G - ground water : 20  
SW - surface water : 8  
S - soil : 3

G 7  
TECH  
AUTO



SAMPLES OBTAINED:  
groundwater - G : 17 (1 duplicate)  
surface water - SW : 8  
soil - S : 3 (1 duplicate)

NUS  
POND SWAMP SITE INVESTIGATION  
1/15, 5/16, & 5/17/84

WELL NUMBER NUS/OLIN	DEPTH TO WATER SURFACE (FEET)	DEPTH OF WELL (FEET)	VOLATILE ORGANICS PRESENT VIA SNIFFER (YES/NO)	QUANTITY OF WATER PURGED	SAMPLES TAKEN	COMMENTS AND/OR OBSERVATIONS
G1	DADDIO	NA	30'	NA	NA	full priorities Tap sample
G2	ERT 1	13'3"	64'8"	NO	14.2 gal.	"
G3	ERT 1A	24'4"	42'	NO	5.0 gal.	"
G4	ERT 2	9'	61'	NO	14.5 gal.	"
G5	ERT 2A	9'	40'9"	NO	11.0 gal.	"
G6	HIMMEL	NA	50'	NA	NA	" Tap sample
G7	TECH AUTO	NA	?	NA	NA	" Tap sample
G8	HI	2'	20'	NO	NA	"
G9	HTA	1'6"	10'	NO	6.0 gal.	" not sampled because too shallow.
G10	ERT 3	2'4"	66'6"	NO	17.7 gal.	"
G-11	ERT 3A	2'4"	41'6"	NO	10.8 gal.	"
G-12	DAVEN-PORT PHOTO					Unable to sample (underwater)
G-13	ERT 8					not able to locate.
G-14	ERT 13	2.5'	6'	HNU reading of 2 ppm in well	2.5 gal.	full priorities
G-15	ERT 5	5'	66'	slight collection on the HNU (2 ppm)	16.0 gal.	"
G-16	ERT 12	5'4"	13.5"	NO	6.0 gal.	"
G-17	ERT 7	1'6"	58'	NO	15.5 gal.	" hard to find - close to ground
G-18	HA LEEDER	NA	?	NA	NA	" large production well in the factory
G-19	NORTH WHITNEY	NA	?	NA	NA	" Whitney South well
G-20	NORTH WATER CO.					not sampled because water Co. did not st
SW1	POND A	NA	NA	NO	NA	full priorities sheen seen
SW2	POND A	NA	NA	NO	NA	" sheen seen
SW3	HIMMEL LAGOON	NA	NA	NO	NA	" lagoon was green and the soil around it was all stained
SW4	POND D	NA	NA	NO	NA	" strong biological odor
SW5	GREEN PUTNAM	NA	NA	NO	NA	" stream that enters Pond A; just before it crosses Putnam Ave. sheen seen
SW6	MID CREEK	NA	NA	NO	NA	" stream that enters Pond A; just before it enters Pond A. sheen seen
SW7	POND C	NA	NA	NO	NA	"
SW8	LAKE WHITNEY	NA	NA	NO	NA	" sheen seen
S 1		NA	NA	NO	NA	" duplicate sample; soil near well 3 and 3A
S 2						not taken because pit was partially filled in. Two monitoring wells were found (locked).
S 3		NA	NA	NO	NA	full priorities old waste area between pond A and Pond C

NA - not applicable

SAMPLES COLLECTED:

Wells: 16 (duplicate of G-10)

surface water: 8

Soil: 3 (duplicate of S-1)

**NUS CORPORATION**

**REGION I**

**NATIONAL LABORATORY CONTRACT/ORGANICS AND INORGANICS TRACKING RECORD**

NAME OF SITE: Olin Corporation

EPA TDD NO.: F1-8305-04

NUS JOB NO.: 3408

CASE NO.: 2620

<u>Sampling Date</u>	<u>Name of Laboratory</u>	<u>Shipping Date</u>	<u>Shipping Method</u>	<u>Air Bill No. (if any)</u>
May 15, 16, 1984	Mead Compuchem (org.) Rocky Mtn. (inorg.)	May 17, 1984	Federal Express	814440126 (org.) 814439791 (inorg.)

<u>Type of Media Sampled</u>	<u>No. of samples (including blanks and duplicates)</u>	<u>Analysis Requested</u>	<u>Traffic Report Duplicate No.</u>	<u>Traffic Report Blank No.</u>
water	26	full priority pol.	A2322 & A2331 MA0219 & MA0228	A2317 & MA0214
soil	4	full priority pol.	A2334 & A2338 MA0231 & MA 1235	A2316 & MA0213

Delivered from EPA to NUS Contract Laboratory Officer by:

Signature:

— Date: